

7/22/2019

NCR-19-7404

[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

011684



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

Revision

SWA3-2-OH
Job Sheet OH198128



Part No: SWA3-2-OH

Job Qty: 1 ea

Part Name: Electric Swivel 3,000 lb Safe Work Load (1,360 kg)



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/22/19

Job Tracking No:

Due Date: 9/9/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: RA734 / Order 17665 / SN
AC10019

Note: O&OPM-SWA3 Rev.3 IPP REV:A 18.04.19 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup	Run		
					Hrs	Hrs	Workcenter / Supplier Lead Time	
110	External Load - Issue SN	1 pcs	9/9/19	9/9/19	0.00	1.00	External Load - 1	S/ 99606 8M.
							External Load - 2	
							External Load - 3	
115	External Load - 2 - B4B	1 pcs	9/9/19	9/9/19	0.00	1.00	External Load - 1 - B4B	AP 2019/07/25
							External Load - 2 - B4B	
							External Load - 3 - B4B	
120	QC 5	1 pcs	9/9/19	9/9/19	0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	
							QC 5 - 50	
							QC 5 - 30	
							QC 5 - 40	
							QC 5 - 61	
							QC 5 - 81	
130	Customer Acceptance	1 pcs	9/9/19	9/9/19	0.00	0.00		
140	Outsource - 2 - NDT per QSI038	1 pcs	9/9/19	9/9/19			SKY002-VC	2019-07-31
150	Packaging 2-1 - Receive - B4B	1 pcs	9/9/19	9/9/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

Container No: S199606



Part: SWA3-2

Job No: OH198128

Serial No/Batch: AC10019

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 7/25/19

Plex 7/22/19 1:38 PM Dart.Renwick.Jennifer

P.T.O.

7/22/2019

[Dart Hawkesbury] Job Sheet - Renwick, Jennifer

					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	
					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
160	QC 6	1 pcs	9/9/19	0.00 0.00	QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	
					QC 6 - 81	
						AUG 07 2019
190	External Load - 4 - B4B	1 pcs	9/9/19	0.00 1.33	External Load - 1 - B4B	
					External Load - 2 - B4B	
					External Load - 3 - B4B	
195	QC 5	1 pcs	9/9/19	0.00 0.00	QC 5 - 10	
					QC 5 - 12	
					QC 5 - 17	
					QC 5 - 18	
					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	
					QC 5 - 30	
					QC 5 - 40	
					QC 5 - 61	
					QC 5 - 81	
200	Packaging 3-1 - Stock - B4B	1 pcs	9/9/19	0.00 0.00	Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	

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				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
210	DC - 1 - B4B	1 pcs	9/9/19	0.00 0.00	DC - 1 - B4B
					DC - 2 - B4B
220	QC21-FG	1 Ea	9/9/19	0.00 0.00	QC 21 - FG - 21

Part Op 110 - Issue S/N

Descriptions: 115 - TEST ASSEMBLY, DISASSEMBLE ASSEMBLY, INSPECT DAMAGE PART, E

120 - (QC5- Inspect part completeness to step on W/O)

140 - LIQUID PENETRANT INSPECTION AS PER QSI 038

150 - (Receive & Inspect for Damage & Mat'l Certs)

160 - (QC6- All purchased or subcontracted products) 1-Triage parts to be sent out for plating

190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

195 - (QC5- Inspect part completeness to step on W/O)

210 - Photocopy blue file manual and create labels

220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
SWA3-2-AR	Electric Swivel 3,000 lb Safe Work Load (1,360 Kg)	1 Ea (1 ea)	110-External Load - Issue SN	
188-FPSS-832-3/8	Set Screw	1 Ea (1 ea)	190-External Load - 4 - B4B	S175966
188-FSCS-1032-5/8	Flat socket cap Screw	4 Ea (4 ea)	190-External Load - 4 - B4B	S196435
EL-PLUG-F	3-Prong Female Spade Plug	1 Ea (1 ea)	190-External Load - 4 - B4B	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	190-External Load - 4 - B4B	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/t 01004-08-047	6 ft (6 ea)	190-External Load - 4 - B4B	S179682
SWA3-100	Upper End - Swa3 Swivel	1 pcs (1 ea)	190-External Load - 4 - B4B	
SWA3-200	Lower End	1 pcs (1 ea)	190-External Load - 4 - B4B	
SWA3-300	Wire Clamp	2 pcs (2 ea)	190-External Load - 4 - B4B	S173676
SWA3-400	Button Head Screw	2 pcs (2 ea)	190-External Load - 4 - B4B	S191068
SWA3-500	Connector Bushing-230	1 pcs (1 ea)	190-External Load - 4 - B4B	
SWA3-600	O-Ring	1 pcs (1 ea)	190-External Load - 4 - B4B	S198668
SWA3-700	Bearing Balls - 1/4"	32 Ea (32 ea)	190-External Load - 4 - B4B	(17) S192691 (18) S175991
SWA6A-1900	1/4" Female Spade Connector	4 Ea (4 ea)	190-External Load - 4 - B4B	S192706
SWA6A-900A	Rotary Connector - 2 wire	1 pcs (1 ea)	190-External Load - 4 - B4B	

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - Issue SN 190-External Load - 4 - B4B	SWA3-2	1	0	0
	188-FPSS-832-3/8	1	99	0
	188-FSCS-1032-5/8	4	188	0
	EL-PLUG-F	1	26	0
	EL-PLUG-M	1	40	0
	EL314-SJTOW	6	0	0
	SWA3-100	1	11	0
	SWA3-200	1	19	0
	SWA3-300	2	14	0
	SWA3-400	2	38	0
	SWA3-500	1	3	0
	SWA3-600	1	38	0
	SWA3-700	32	262	0
	SWA6A-1900	4	184	0
	SWA6A-900A	1	10	0
Part Specifications				
Specifications could not be found.				

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GREASE AEROSHELL 20.7 (S138964)
 SILICONE GE (S208127)
 LOCTITE 242 (S186572)

Inspection Sheet Complete RA734

DART Order #: 0

Part Number	Original Batch / Serial # / Ctr #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
SWA3-2	AC10019		1	☒ Yes	☐ Yes	☐ Yes	☒ Yes	CUSTOMER SUPPLIED		5198507		Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: 0

Date: 0-Jan-00

Special Return/Rework Instructions:

Order 1 7665
Maritime Helicopters



RA. # 734

[illegible]



DART Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S198507



Part: SWA3-2

Job No:

Serial No/Batch: 000000819

Revision:

Inspector:

Exp Date:

Instructions:

Date: 07/17/19

RETURN AUTHORIZATION



RA #: RA734
Date: July 2, 2019
Attention: Ashley Halverson
E-mail: ahalverson@maritimehelicopters.com
From: Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury	☐ Vista	☐ Broussard
Dart Aerospace Ltd	Dart Aerospace Ltd.	Dart Aerospace Ltd.
1270 Aberdeen Street	3030 Enterprise Court, Suite A	105 Dairy Lane
Hawkesbury, ON K6A 1K7, CA	Vista, CA 92081-8347, US	Broussard, LA 70518, US
1-613-632-3336	1-760-724-5300	1-337-839-0500

SHIPPING

Courier:	Customers Choice
Account #:	Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	SWA3-2	P/N:	0
Description:	Swivel	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Return to Customer:	Yes	Return to Customer:	0
Customs Value USD:	\$500	Customs Value USD:	\$0
Batch / Serial #	AC10019	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Return to Customer:	0	Return to Customer:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Return to Customer:	0	Return to Customer:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:

PURCHASE ORDER

Maritime Helicopters
1915 Donald Avenue
Fairbanks, AK 99701

PO No: 9301F

Priority: Normal

Date: 07/02/2019

Phone: 907-452-1197 Fax: (907) 456-6042

Attn: Caitlin Crooks		Ship To: MARITIME HELICOPTERS-FAIRBANKS	
Vendor: Dart Aerospace Ltd.		Attn: ASHLEY HALVERSON	
1270 Aberdeen Street		1915 DONALD AVENUE	
Hawkesbury		FAIRBANKS	
ON K6A 1K7	Salesman:	State: AK	Post Code: 99701
Phone: 613-632-3336	Fax:	Country: USA	

Bill To: MARITIME HELICOPTERS, INC**Attn:** ACCOUNTS PAYABLE

3520 FAA ROAD

HOMER

State: AK**Post Code:** 99603**Country:** USA

Item	Part #	WO#	Qty	Unit	Cond.	Control Code	Cost	Total
1	SWA3-2		1	EA	REP	N407RH	650.00	650.00
Description: SWIVEL ASSY								
Serial #: AC10019								

Ship Via: FedEx**Page 1 Sub Total:**

650.00

Terms: Net 30**Tax (0.00%) Sub Total:**

0.00

Ordered By: Ashley Halverson**P/O Total Freight Charge:**

0.00

Approved By: Isaac Mackey**Purchase Order Total:**

650.00

Thank You Ashley Halverson

Currency USD

Outside Service/Repair Order

Page: 1

R/O No.: 235

From:
MARITIME HELICOPTERS
3520 F.A.A. Road
Homer, AK 99603
Phone: 907-235-7771 Fax: (907) 235-7773

Repair Vendor:
Dart Aerospace
1270 Aberdeen St
Hawkesbury, ON K6A 1K7
Canada

Item	Qty	Part Number	Serial No.	Description	Hours	Cycles
1	1	SWA3-2	AC10019	SWIVEL ASSY	0.00	0.00

Reason for Removal: "power cords ripped out"

Work to be Carried Out: Please inspect and quote for repair

Ref:

Ship To:
Maritime Helicopters Inc
1915 Donald Ave
Fairbanks AK 99701

Bill To:
Maritime Helicopters Inc
3520 FAA Road
Homer, AK 99603

Comments:
Please return to our Fairbanks location using our FedEx account,
112676279, as second day air.

Date: 07/02/19

MARITIME HELICOPTERS
Inspection Department

Sign


Maritime Helicopters

 1915 Donald Ave. Fairbanks, Alaska 99701
 Phone (907) 452-1197 • FAX (907) 452-4539
 www.maritimehelicopters.com

This invoice must be completed in English

COMMERCIAL INVOICE

EXPORTER : Tax ID# : Contact Name : Ashley Halverson Telephone No. : 9074521197 E-Mail : falparts@maritimehelicopters.com Company Name/Address : Maritime Helicopters Inc 1915 Donald Ave Fairbanks AK 99701 Country : United States Parties to Transaction: ☐ Related ☐ Non-Related Payment Terms : Purpose of Shipment : Repair and Return	Ship Date : 02 Jul, 2019 Air Waybill No. / Tracking No. / Bill of Lading : 775624773576 Invoice No. : Repair Order 235 Purchase Order No. : 9301F						
CONSIGNEE : Tax ID# : Contact Name : RA734 Telephone No. : 6136323336 E-Mail : Company Name/Address : Dart Aerospace LTD 1270 Aberdeen Street HAWKESBURY ON K6A1K7 Country : Canada	SOLD TO (if different from Consignee) : ☐ Same as CONSIGNEE : Tax ID# : Company Name/Address : Maritime Helicopters Inc 1915 Donald Ave Fairbanks AK 99701 Country : United States International Shipment Number 1012117379						
If there is a designated broker for this shipment, please provide contact information Name of Broker Tel No. Contact Name Duties and Taxes Payable by ☒ Exporter ☐ Consignee ☐ Other If Other, please specify							
No. of Packages	No. of Units	Unit of Measure	Description of Goods	Harmonized Tariff Number	Country of Origin	Unit Value	Total Value
	1.00	EA	Repair and Return - Swivel Assembly for a helicopter	880320000000	CA	500.000000	500.00
Total No. of Packages : 1			Total Weight (Indicate LBS or KGS) : 5.00 lbs			Terms of Sale :	
Special Instructions :						Subtotal :	500.00
						Insurance :	0.00
						Freight :	0.00
						Packing :	0.00
						Handling :	0.00
Declaration Statement(s) : These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. I declare that all the information contained in this invoice to be true and correct						Other :	0.00
Originator or Name of Company Representative if the invoice is being completed on behalf of a company or individual :						Invoice Total :	500.00
						Currency Code :	USD
Signature / Title / Date : <i>Ashley Halverson</i>						02 Jul, 2019	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **POHB044162**



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044162

PO Date: 7/31/19

Due Date: 8/2/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:



Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH198128	SWA3-2-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg) LIQUID PENETRANT INSPECTION AS PER QSI 038	Firmed	-	8/2/19	1 pcs	0 pcs	1 pcs	\$89.00/pcs	\$89.00

Line Item Note 1 kit = 2 pcs.

Grand Total: \$89.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/31/19 3:02 PM Dart. Guerin.Kimberley

**skyservice****Work Order Traveler**
Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO41258	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: POHB044162
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON:

1 ELECTRIC SWIVEL (2 PCS) P/N# SWA3-2-OH , J/S# OH198128

DAS
81
9-89

Action Taken:					Date:	Initial/Stamp:
MAGNETIC PARTICLES INSPECTION CARRIED OUT IAW ASTM E-1444M-16 ***NO CRACK FOUND*** MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO22794 BLACK LIGHT-M20186					AUG 01 2019	DOT-APP 310 53-89 313
Description	Location	P/N	Qty	Batch	S/N Off	S/N On

RECEIVED

AUG 02 2019

DART AEROSPACE LTD.

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp DOT-APP 310 53-89	Date: AUG 01 2019
Name: RICARDO VARGAS		

P/N	Revision	Drawing Specified Wire	Acceptable Alternate Wire
C2	2	MIL-C-27500 11-14416	N/A
C3	2	MIL-C-27500 11-14417	N/A
C10	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C15	2	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C20	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C45	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C60	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
C250	C	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA3-4	3	EL 414-ARTIC 4/14	Texcan 01121-744A5
SWA6A-2	E	Texcan 01121-724AM	N/A
SWA6A-3	E	Texcan 01121-734A5 or 01004-08-047	N/A
SWA6A-4	E	Texcan 01121-744A5	N/A
SWA6A-6	E	Texcan 04121-764A5	N/A
SWA6A-8	E	Texcan 12701-08-014 or McMaster 7081K38	N/A
SWA10A-2	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-3	3	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA10A-4	3	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA10A-6	3	EL 616 ARTIC	Texcan 04121-764A5
SWA10A-8	3	Polar Wire 30806	Texcan 12701-08-014 or McMaster 7081K38
SWA15A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SWA15A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SWA15A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SWA15A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38
SAW25A-2	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-3	1	3/14 SJTOW	Texcan 01121-734A5 or 01004-08-047
SAW25A-4	1	EL 414 ARTIC 4/14	Texcan 01121-744A5
SAW25A-6	1	EL 616 ARTIC	Texcan 04121-764A5
SAW25A-8	1	EL 816 ARTIC	Texcan 12701-08-014 or McMaster 7081K38



Electric Swivel
SWA3

Work Order OH 198128

Customer RA 734 / Order 17665

Number of Wires 2

Date 2019-8-27

Serial Number AC 10019

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	- Pass
1	3,000	Check all wires for grounding against swivel body.	- Pass
1	1,500	Check for Conductivity against all wires.	- Pass
1	1,500	Check all wires for grounding against swivel body.	- Pass
1	750	Check for Conductivity against all wires.	- Pass
1	750	Check all wires for grounding against swivel body.	- Pass
1	0	Check for Conductivity against all wires.	- Pass
1	0	Check all wires for grounding against swivel body.	- Pass

Test Conducted By: Michel Lelonde
Technician

Signature: Sylvain Boyer
QC 5 Small FAB / QA





Electric Swivel
SWA3

Work Order OH 198128

Customer RA734 / order 17665

Number of Wires 2

Date 2019-8-27

Serial Number AC 10019

Number of Cycles	Load (Lbs.)	Action	Pass/Fail
1	3,000	Check for Conductivity against all wires.	- Pass
1	3,000	Check all wires for grounding against swivel body.	- Pass
1	1,500	Check for Conductivity against all wires.	- Pass
1	1,500	Check all wires for grounding against swivel body.	- Pass
1	750	Check for Conductivity against all wires.	- Pass
1	750	Check all wires for grounding against swivel body.	- Pass
1	0	Check for Conductivity against all wires.	- Pass
1	0	Check all wires for grounding against swivel body.	- Pass

Test Conducted By: Michel Lelande
Technician

Signature: Sylvain Boyer
QC 5 Small FAB / QA



Entered: ZE Date: Oct 7/19



NCR No. 19-7404 **WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only ☐

Job: <u>OH198128</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS			
Part No. <u>C series hooks and SWA Swivels</u>		Skid-tube ☐	Cross tube ☐	Eng. (Non-AW) ☒	Engineering ☐
		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Water Jet ☐
		Large Fab ☐	Finishing ☐	Rec/Store/Packaging ☐	Supplier ☐
					Quality ☐

Date : 2019/08/29

Sequence #:

QTY Affected : 1

MRB (QSI042)

May, 9 2019

M. Lee

Completed By

A. PATRY

Lead hand / Supervisor

DAS
30
9-89

SEP 05 2019

QC / QA Coordinator

DAS
68
9-89

SEP 05 2019

Description Work Order Deviation	Disposition
The electrical wires listed under "Acceptable Alternate Wire" on the attached sheet are acceptable to use in place of the "Drawing Specified Wire"	This deviation is acceptable. No change to fit form or function. The job route must specify the wire that is called out on the drawing The inventory P/N must reflect the same P/N that was received from a vendor

Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☒ X Process Improvement ☐ Human Factors ☐	FAULT CATEGORY <table> <tr> <td>☐ Pressure/Forced</td> <td>☐ Contamination</td> <td>☐ Power Loss/Surge</td> <td>☐ Positioned Wrong</td> </tr> <tr> <td>☐ Bending</td> <td>☐ Misaligned/off center</td> <td>☐ Folio/Program</td> <td>☐ Outside Tolerance</td> </tr> <tr> <td>☐ Crushing</td> <td>☐ BOM/Route</td> <td>☐ Grain Direction</td> <td>☒ Drawing</td> </tr> <tr> <td>☐ Cracks</td> <td>☐ Broken/Damage/Defect</td> <td>☐ Weld</td> <td>☐ Finish</td> </tr> <tr> <td>☐ Crimp/Kink/Ripple/Wave/Twist</td> <td>☐ Incomplete/Unclear Instructions</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Marks/Chatter</td> <td>☐ Drill Holes</td> <td>☐ Out of Sequence</td> <td>☐ Misread</td> </tr> <tr> <td>☐ Mislabeled</td> <td>☐ Fit/Function</td> <td>☐ Off-set/Set-up</td> <td></td> </tr> </table>	☐ Pressure/Forced	☐ Contamination	☐ Power Loss/Surge	☐ Positioned Wrong	☐ Bending	☐ Misaligned/off center	☐ Folio/Program	☐ Outside Tolerance	☐ Crushing	☐ BOM/Route	☐ Grain Direction	☒ Drawing	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Finish	☐ Crimp/Kink/Ripple/Wave/Twist	☐ Incomplete/Unclear Instructions	☐ Wrong Stock Pulled	☐ Part Lost/Missing	☐ Marks/Chatter	☐ Drill Holes	☐ Out of Sequence	☐ Misread	☐ Mislabeled	☐ Fit/Function	☐ Off-set/Set-up	
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